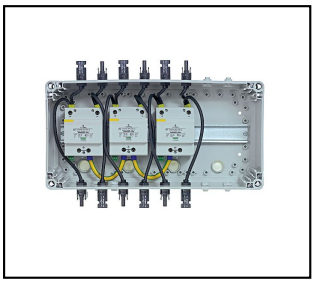
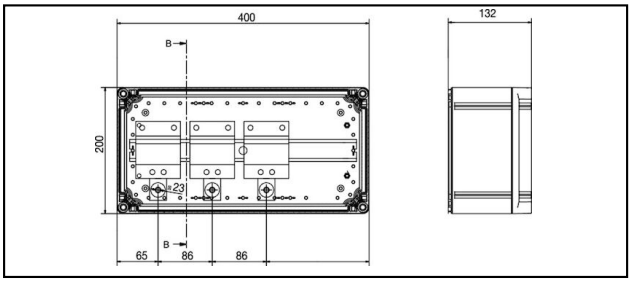
Generators combiner boxes

GAK 300-MC4 Junction box PVGAK 60VG-1000-3ST-3MPP MC4





Characteristics
Generator boxes with preassembled surge protection:

Legend
a) type 1+2 GAK 60 VGPVS-1000-3ST-3MPP
b) type 1+2 GAK 50 PVS-1000-3ST-3MPP
c) type 1+2 GAK 50 VGPVS-1000-3ST-3MPP
d) type 2 GAK 50 PV-1000-3ST-3MPP

Article-Nr.	E-Number	Typ/Type	V U_C	kA I_{imp}	kA I_{max}	ns t_A	kV U_P	mm²		VE Emb.
296.050.203	969 112 024	T1 / T2	≤1200VDC	12.5	40	≤25	2.8	6 - 35	a)	1

Technical Specifications: **Junction box PVGAK 60VG-1000-3ST-3MPP MC4 GAK 300-MC4**

Article No.	296.050.203
SPD type	T1 / T2
Number of poles	2
max. discharge current (Imax)	40 kA
Nominal line voltage Un DC	1000 V
Impulse current [Iimp]_(10/350)	12.5 kA
Discharge current max. (8/20) µs [Imax]	40 kA
Nominal discharge surge current (8/20)	20 kA
Voltage protection level [Up]	2.8 kV
Protection level max. (at 5kA)	2.1 kV
Protection level max. (at 12.5kA)	2.3 kV
Operation voltage max. [Uc]	≤1200VDC
Operating current [Ic]	0 kA
Follow current [IF]	0 kA
follow current extinguishing capability [Ifi]	Unendlich
Response time [ta]	≤25
Short circuit resistance (Icw)	25 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85
Degree of protection	IP20
Signaling on the device	Optic
Signaling contact	Yes
Connection cross section solid / stranded max.	1.5 mm²
Switching capacity signaling contact	250 V / 0,5 A (AC) - 30 V / 2 A (DC)
Energetically coordinated protective effect to the terminal	Yes
System configuration DC	Yes
Construction size	4 modular spacing
Nominal discharge current [In]	20/Pol
Nominal cross section conductor	6 - 35 mm²
Integrated backup fuse	No
Exhausting	No
Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Casing	
degree of protection	IP65
number of modules	20
contract rail	DIN-Schiene
String / MPP	3ST-3MPP
inputs PG / MC4	MC 4
outputs PG / MC4	MC 4
Standards	
Test standards USA	UL 1449 ed.3
Test standards Europe	FprEN 50539-11
Test standards France	UTE C61-740-51
Homologation	VDE, ÖVE und UL
comment	a)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	a)
Logistic specification	
VPE Weight	4.06 kg